

II Sessional Examination 2021

M. Sc III Semester
Mathematics)

Paper I

(Integration Theory & Functional
Analysis)

Maximum marks - 20

Note - Solve all questions. All questions
carry equal marks

Q1. State and prove Hahn decomposition
theorem

Q2. State and prove Riesz representation
theorem.

Q3. State and prove Extension theorem

Q4. State and prove Radon-Nikodym
theorem.